AMENDMENTS TO THE CLAIMS

Listing of the Claims

Claims 1-36 (Cancelled)

Claims 37-52 (Cancelled)

53. (New) A micron liquid thermosetting ink-jet ink comprising:

solid composite curing agent particles with a maximal size of less then 2 micron, each comprising;

- (a) an inert particle, and;
- (b) a curing agent layered on the surface of said inert particle; impregnated in its porosity, dispersed upon said inert particle, or any combination thereof.
- 54. (New) The liquid thermosetting ink-jet ink according to claim 53, wherein said curing agent is latent.
- 55. (New) The liquid thermosetting ink-jet ink according to claim 54, wherein said curing agent is selected from a group consisting of urea derivatives, imidazoles, dicyandiamide, inorganic boron halides, their precursors and/or any mixture thereof.
- 56. (New) The liquid thermosetting ink-jet ink according to claim 53, wherein said inert particle is selected from a group consisting of barium sulfate, talc, silica, kaolin, mica and glass.
- 57. (New) The liquid thermosetting ink-jet ink according to claim 53, adapted to cure epoxy compounds selected from group consisting of aromatic, heterocyclic, cycloaliphatic ring and at least two epoxy groups.

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58. (New) The liquid thermosetting ink-jet ink according to claim 57, wherein the epoxy compounds are selected from group consisting of bisphenol S epoxy resins, heterocyclic epoxy resins, bisphenol A epoxy resins, hydrogenated bisphenol A epoxy resins, bisphenol F epoxy resins, Novolak epoxy resins, Novolak epoxy resins of bisphenol A, rubber-modified epoxy resins, or a mixture thereof.

- 59. (New) The liquid thermosetting ink-jet ink according to claim 53, additionally comprising monomers and/or oligomers selected from styrene, acrylic or methacrylic acid and esters thereof; acrylated or methacrylated epoxies; acrylated or methacrylated urethanes; wherein the unsaturated monomers are selected from (meth)acrylates, acrylated DGEBA epoxy, acrylated Novolac epoxy, acrylated polyurethane, or any combination thereof.
- 60. (New) The liquid thermosetting ink-jet ink according to claim 53, especially adapted for solder mask in printed circuit boards.
- 61. (New) The liquid thermosetting ink-jet ink according to claim 53, especially adapted for bonding devices or components in electronic manufacturing.
- 62. (New) The liquid thermosetting ink-jet ink according to claim 53, especially adapted for printing of layers in the manufacturing of passive component capacitors and/or resistors.
- 63. (New) The liquid thermosetting ink-jet ink according to claim 53, especially adapted for direct printing of conductive lines and features such as pads and/or bumps.
- 64. (New) The liquid thermosetting ink-jet ink according to claim 53, additionally comprising impact modifiers and/or flexibilizers having rubbery moieties or blocks in their chain.
- 65. (New) The liquid thermosetting ink-jet ink according to claim 53, wherein the impact modifiers and/or flexibilizers are selected from elastomeric, oligomers comprising side or end groups, selected from amines, epoxies, hydroxyls, wherein said functional terminated

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rubbers or rubber-like compositions comprising polybutadienes, acrylonytrile-butadiene, styrene-butadiene, styrene-acrylate, soft polyacrylate esters, hydrogenataed polybutadienes, polyisoprenes, ethylene-propylene copolymers, polydimethyl siloxane elastomers, polysulfide, polyurethane, or any mixture thereof.

- 66. (New) The liquid thermosetting ink-jet ink according to claim 53, additionally comprising mineral fillers, having maximal particle size of about 2 micron in the final ink; wherein concentration ranges between about 1 to 30 % by weight.
- 67. (New) The liquid thermosetting ink-jet ink according to claim 53, additionally comprising additives selected from surface active agents and/or colloid stabilizers, rheology modifiers, pigments and dyes, matting agents, solvents; co-solvents, diluents or any mixture thereof.